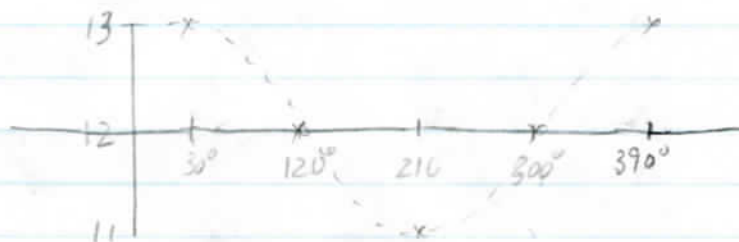


p. 250

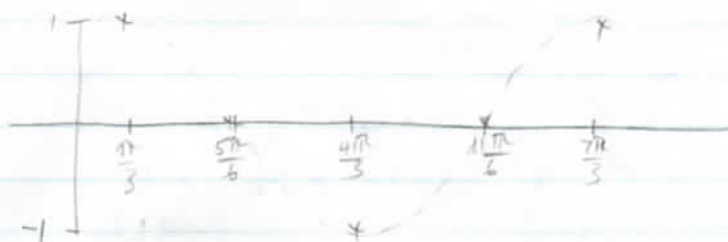
2. $y = \cos(x - 30^\circ) + 12$

$a = 1$
 $b = 1$ per $= 360^\circ$
 $c = 30^\circ$ right
 $d = 12$ up



$b. y = \cos(x - \frac{\pi}{3})$
 $a = 1$
 $b = 1$ per $= 2\pi$
 $c = \frac{\pi}{3}$ right
 $d = 0$

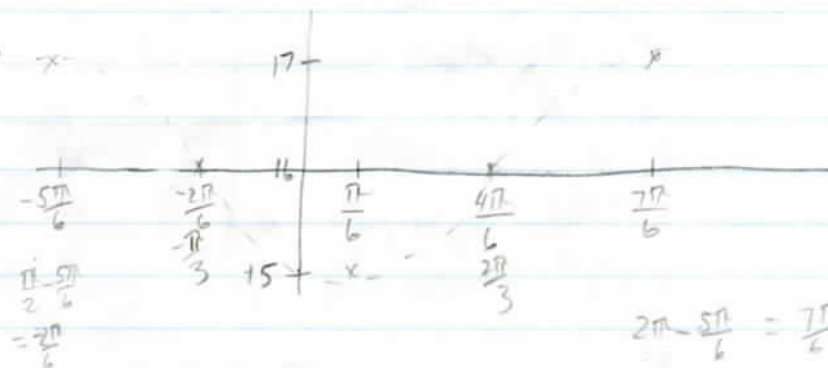
count on unit circle



$\frac{\pi}{3} + 2\pi = \frac{7\pi}{3}$

$\star c. y = \cos(x + \frac{5\pi}{6}) + 16$
 $a = 1$
 $b = 1$ per $= 2\pi$
 $c = \frac{5\pi}{6}$ left
 $d = 16$ up

checked on window



$2\pi - \frac{5\pi}{6} = \frac{7\pi}{6}$

$d. y = 4 \cos(x + 15^\circ) + 3$
 $a = 4$
 $b = 1$ per $= 360^\circ$
 $c = 15^\circ$ left
 $d = 3$ up

